

Algae: Bradford Assay for Protein measurement

This method is used for measuring the total protein concentration of protein-containing samples.

Bradford Reagent

1. For Bradford-Reagent dilute 50 mg of Coomassie Brilliant Blue G-250 in 50 mL Methanol.
2. Add 100 mL of 85 % phosphoric acid and transfer to 850 mL H₂O

Bradford Assay

1. Prepare up to 10 dilutions of BSA between 5 and 100 µg/mL in ddH₂O
2. Transfer 30 µL of your sample and 30 µL of every dilution into a reaction tube
3. Add 970 µL of Bradford-Reagent to the sample and the BSA dilution
4. Incubate for at least 5 minutes
5. Transfer the solution into a cuvette
6. Measure absorbance at 595 nm